

What is claimed is:

1. A housing for covering at least part of a drive system component, comprising:
  - a cover; and
  - a first support that supports said cover on the drive system component.
2. The housing of claim 1, wherein said cover comprises a circular side wall and two opposed ends.
3. The housing of claim 2, wherein said cover is a hollow cylinder having a having a constant diameter.
4. The housing of claim 3, wherein said cover is six-inch welded stainless steel pipe.
5. The housing of claim 1, further comprising a second support that supports said cover on the drive system component.
6. The housing of claim 1, wherein said first support includes a first flange having a diameter greater than said the diameter cover and a shoulder having a diameter less than the diameter of said cover.
7. The housing of claim 5, wherein said second support includes a second

flange having a diameter less than the diameter of said cover.

8. The housing of claim 6, wherein said second support includes a second flange having a diameter less than the diameter of said cover.

9. The housing of claim 6, wherein said first flange is made from stainless steel.

10. The housing of claim 6, further comprising a first sealing element disposed between said shoulder and said cover that seals said cover to said drive system component.

11. The housing of claim 7, further comprising a second sealing element disposed between said flange and said cover that seals said cover to said drive system component.

12. The housing of claim 10, further comprising a second sealing element disposed between said flange and said cover that seals said cover to said drive system component.

13. The housing of claim 12, wherein said first and said second sealing elements are O-rings.

14. A housing for covering at least part of a drive system component

comprising:

a cover; and

a first sealing element that seals said cover to the drive system component.

15. The housing according to claim 14, further comprising a second sealing element that seals said cover to the drive system component.

16. The housing of claim 15, wherein said first and said second sealing elements are O-rings.

17. The housing of claim 14, wherein said cover comprises a circular side wall and two opposed ends.

18. The housing of claim 17, wherein said cover is a hollow cylinder having a having a constant diameter.

19. / A mixing apparatus comprising:

a motor assembly;

a mixing vessel that contains material to be mixed;

a seal pedestal connected to said mixing vessel;

a cover supported between said motor assembly and said seal pedestal; and

a drive assembly connected between said motor and said seal pedestal and

disposed within said cover.

20. The mixing apparatus according to claim 19, further comprising a rotatable shaft extending from said drive assembly and into said mixing vessel.

21. The mixing apparatus according to claim 19, further comprising a sealing element that seals said cover to said drive assembly.

22. The mixing apparatus of claim 20, wherein said housing comprises a cover having a circular side wall and two opposed ends.

23. The mixing apparatus of claim 22, wherein said cover is a hollow cylinder.

24. The mixing apparatus of claim 19, wherein said drive assembly is a speed reducer.

25. A method for covering at least a portion of a drive assembly comprising:  
covering at least a portion of the drive assembly with a cover; and  
supporting the cover with a first support and a second support.

26. The method of claim 25, further comprising the step of sealing the cover to the drive assembly.

27. A method for sealing at least a portion of a drive assembly comprising:  
covering at least a portion of the drive assembly with a cover; and

sealing the cover to the drive assembly.

28.

A mixer housing comprising:

means for covering at least a portion of a drive assembly;

means for supporting the covering means between a first portion of the drive assembly and a second portion of the drive assembly; and

means for sealing the covering means to the first portion of the drive assembly and the second portion of the drive assembly.

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